

ABSTRACT

A device for ascertaining the charge able to be drawn from an energy store, in particular a battery, up to a specified cutoff, is provided. A particularly precise charge

5 prediction may be achieved if a mathematical energy store model is used, which mathematically represents the electrical properties of the energy store and with the aid of which a charge predictor calculates the charge able to be drawn in the case of a specified discharge current. The charge predictor
10 is connected with an estimator for a state variable and parameter, which estimator ascertains state variables and/or parameters for the mathematical energy store model from current operating performance quantities of the energy store.

15